

Atty Docket No.: JCLA8676-R

Serial No.: 10/055,580

**REMARKS**

This is a full and timely response to the outstanding Office Action mailed Feb. 04, 2003. Reconsideration and allowance of the application and presently pending claims, as amended, are respectfully requested.

**Present Status of Patent Application**

Claims 36-43 and 70-78 are presently pending in application. Claims 36-40 and 70-74 are rejected under 35 USC 103(a) as being unpatentable over Dalal et al. in combination with Takebe. Claims 41 and 75 are rejected under 35 USC 103(a) as being unpatentable over Dalal and Takebe and further in combination with Yamai. Claims 42, 43, 76 and 77 are rejected under 35 USC 103(a) as being unpatentable over Dalal and Takebe and further in combination with Somaki. Claim 78 is allowable. These rejections are respectfully traversed.

**Response to Claims Objected and Rejected**

In response thereto, Applicants would like to thank the Examiner of rendering Claim 78 allowable. The original claims 36-43 and 70-77 have been cancelled and new claims 79-91 have been added. More specifically, as the newly added claims 79-84 depend from the allowed claim 78 and therefore claims 78-84 are in proper conditions for allowance, and consideration of these claims is respectfully requested. Further, new Claim 85 has been added including the limitations that "a transition layer is positioned between a conductive cylinder and a cylindrical solder cap and the solder cap has a diameter smaller than the conductive cylinder and a diameter in the opening of the solder mask", which limitations were stated as allowable subject matter over the

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prior art of record by the Examiner. Accordingly, it is respectfully submitted that Claim 85 is also in proper condition for allowance and patently distinct from the prior art under USC 102 and 103. Because the newly added claims 86-91 depend from on the independent claim 85 and therefore claims 86-91 are also in proper condition for allowance. Reconsideration is respectfully requested.

It is believed that the foregoing amendments add no new matter to the present application. Applicants believe that these amendments place the claims in condition for allowance. Reconsideration and allowance of the application and presently pending claims are respectfully requested.

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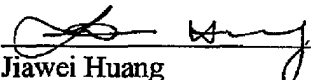
**CONCLUSION**

For at least the foregoing reasons, it is believed that all pending claims 78-91 are in proper condition for allowance. If the Examiner believes that a conference would be of value in expediting the prosecution of this application, he is cordially invited to telephone the undersigned counsel to arrange for such a conference.

Date: 8/4/2003

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Respectfully submitted,  
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